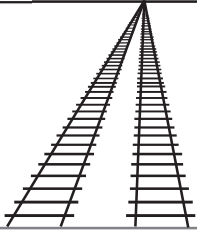




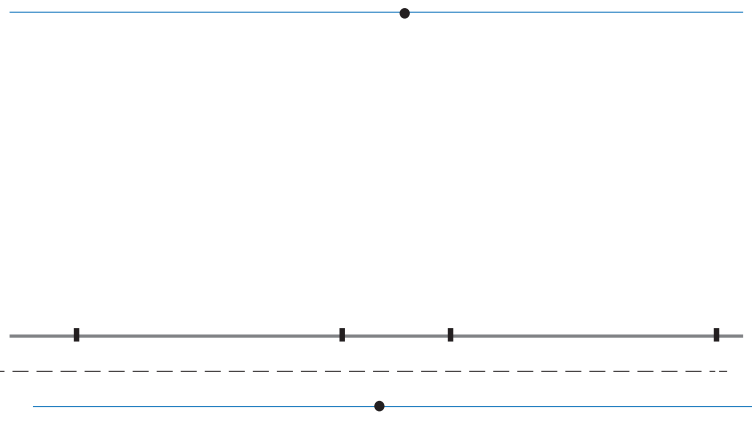
RAILROAD TRACKS



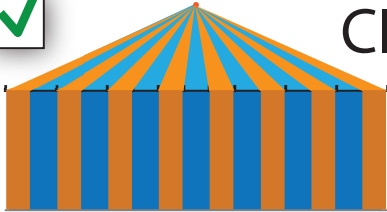
Draw two sets of railroad tracks.

Note:

1. Rails are spaced evenly at the picture plane (greyline).
2. They "meet" in the vanishing point.
3. Railroad ties change size and spacing as they are further away.



CIRCUS TENT



Draw receding lines to the vanishing point.

Draw straight lines to the grey line. Color in the stripes as shown.

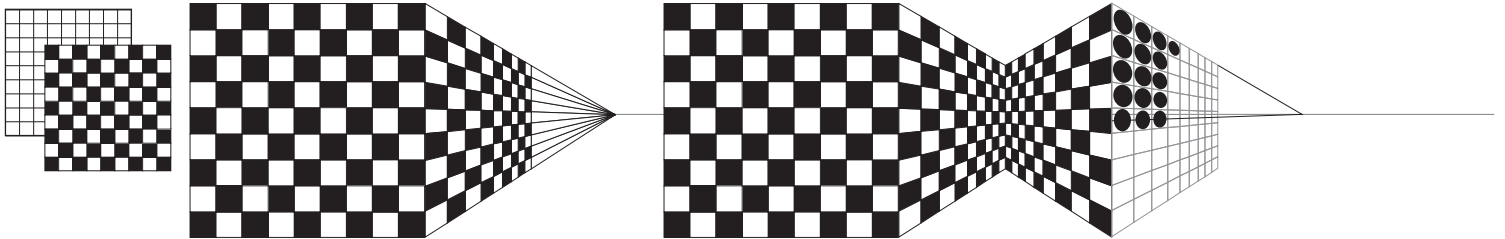
Note:

Changing the direction of the stripes at the black line creates an illusion of the stripes "bending" here.



COMBINING GRIDS

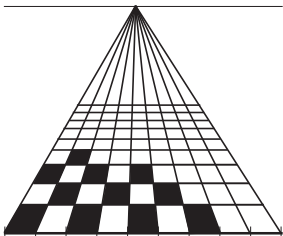
You can have multiple vanishing points!



BENT CHECKERBOARD

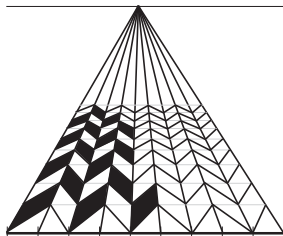
On the next page:

Draw a flat grid with a pencil. Then choose a folded or a waved surface to complete with a pen.



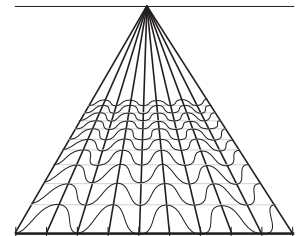
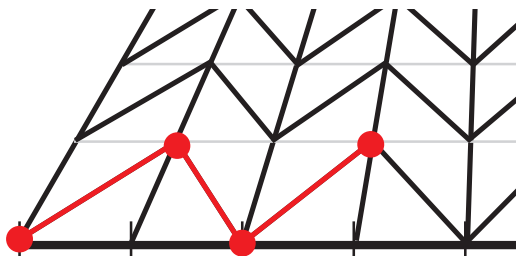
Flat checkerboard

Use the "diagonal" method for this checkerboard.



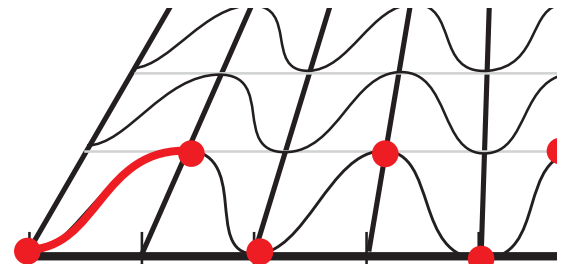
Folded checkerboard

1. Use the "diagonal" method to draw the basic flat grid.
2. Connect the opposite corners of each grid cell to draw a horizontal zig-zag line.



Waved checkerboard

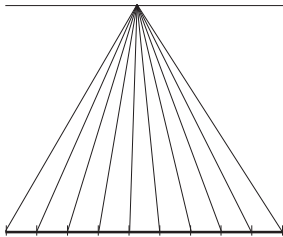
1. Use the "diagonal" method to draw the basic flat grid.
2. Connect the opposite corners of each grid cell with a S-curve.



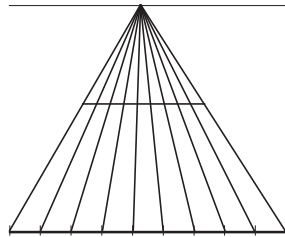


grid in 1-point perspective

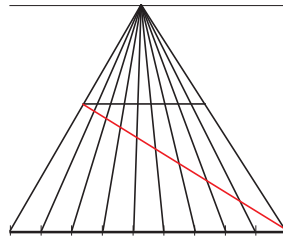
diagonal method



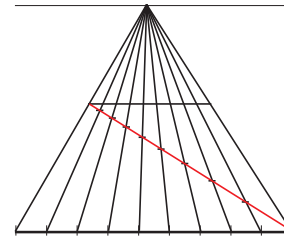
Divide the front side of a checkerboard into 8 even parts. Connect the marks with the vanishing point



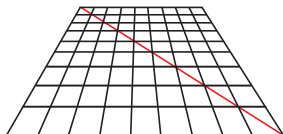
Define the back side of the board with a horizontal line between the two receding lines on both sides.



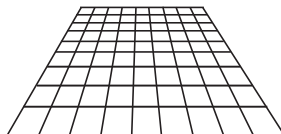
Draw a thin diagonal as shown.



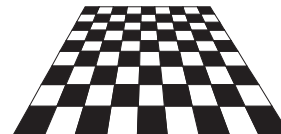
Mark where the diagonal crosses the receding lines.



Draw horizontal lines through these marks.



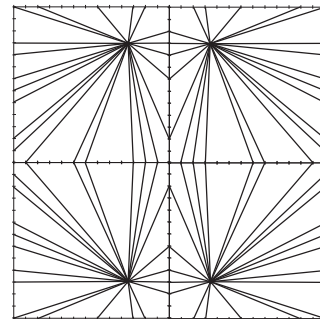
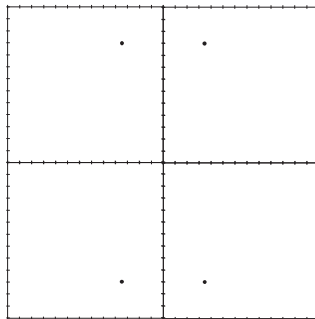
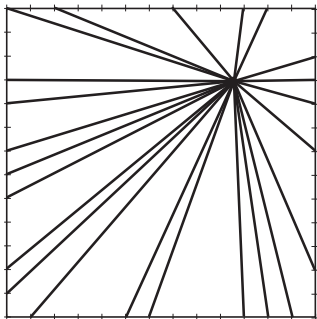
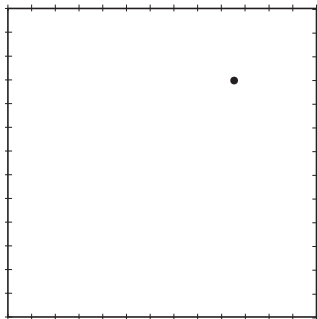
Erase the diagonal



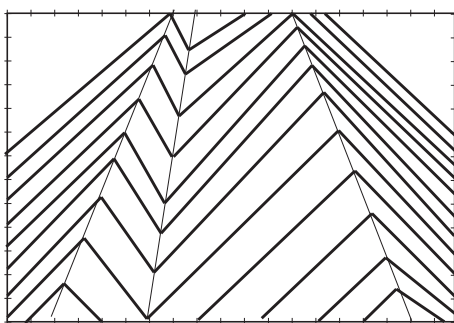
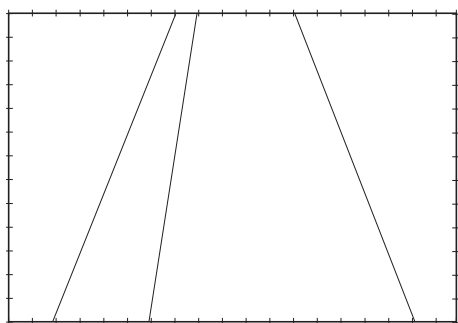
Fill in the grid.



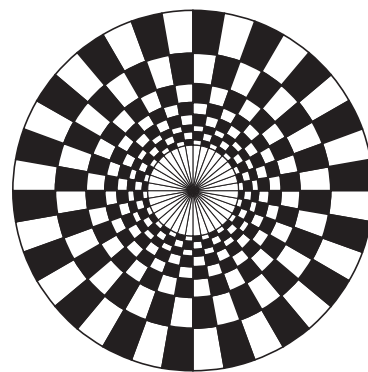
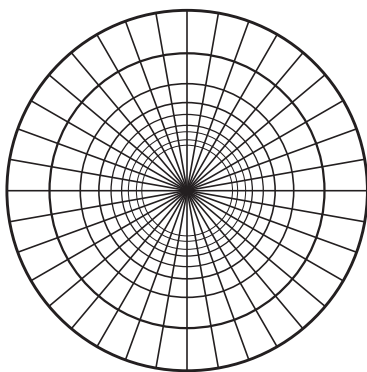
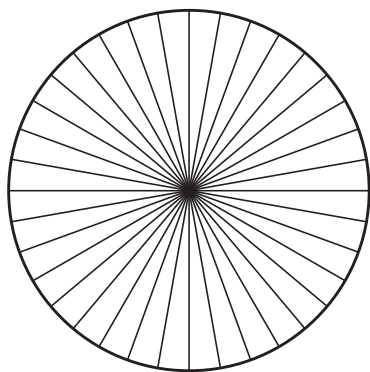
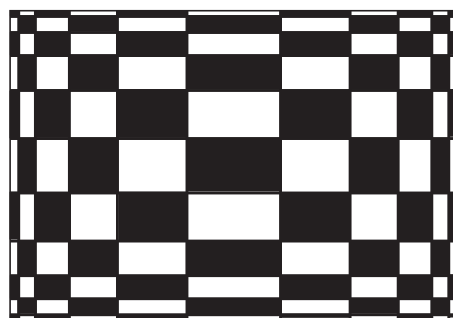
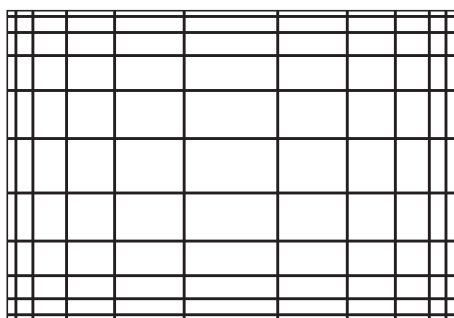
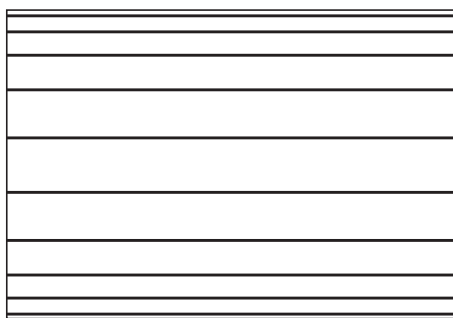
VANISHING POINT ILLUSIONS



Bent paper

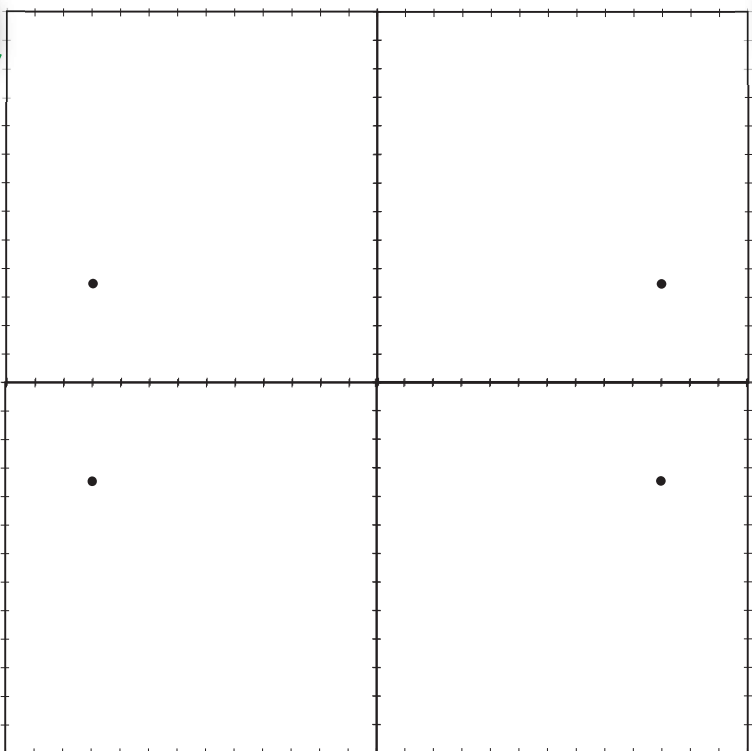


weaving

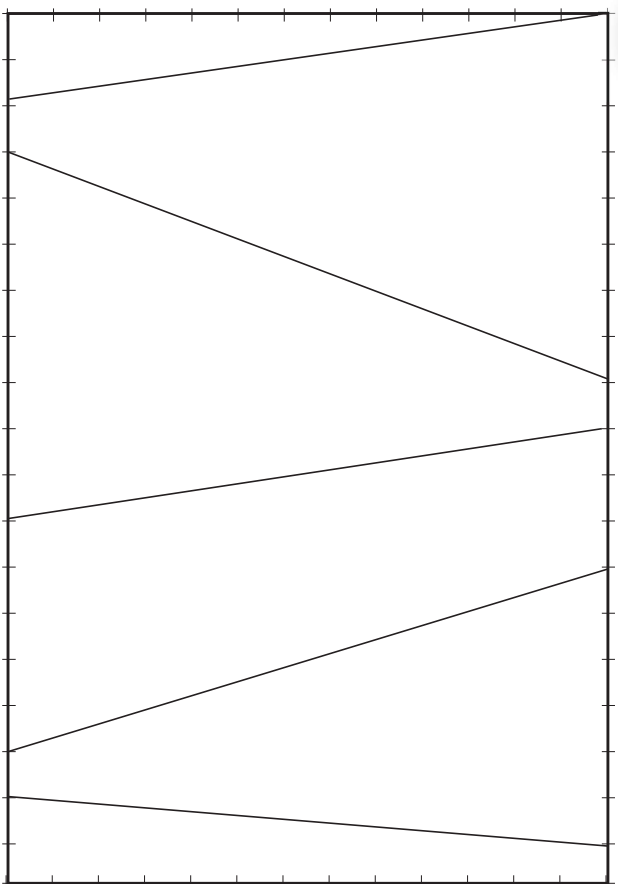




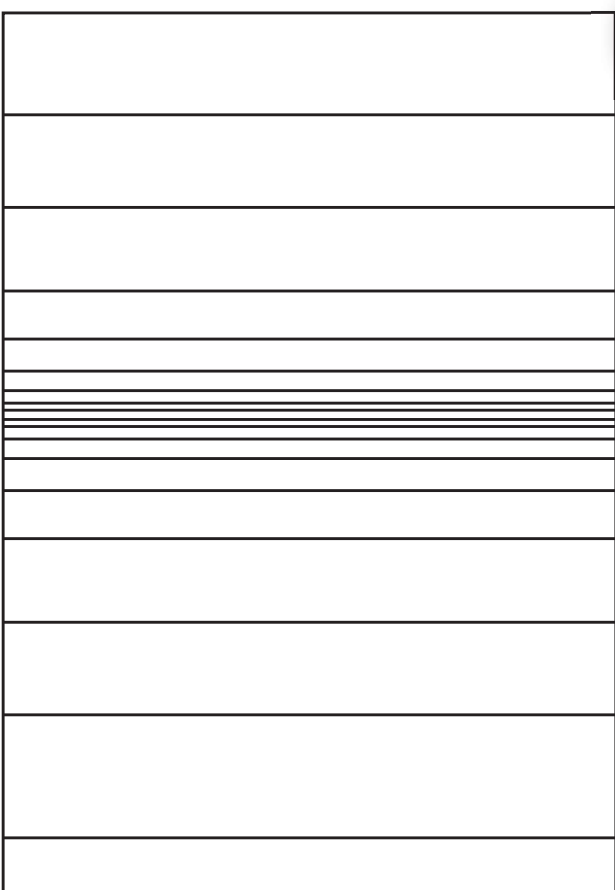
VANISHING POINT ILLUSIONS



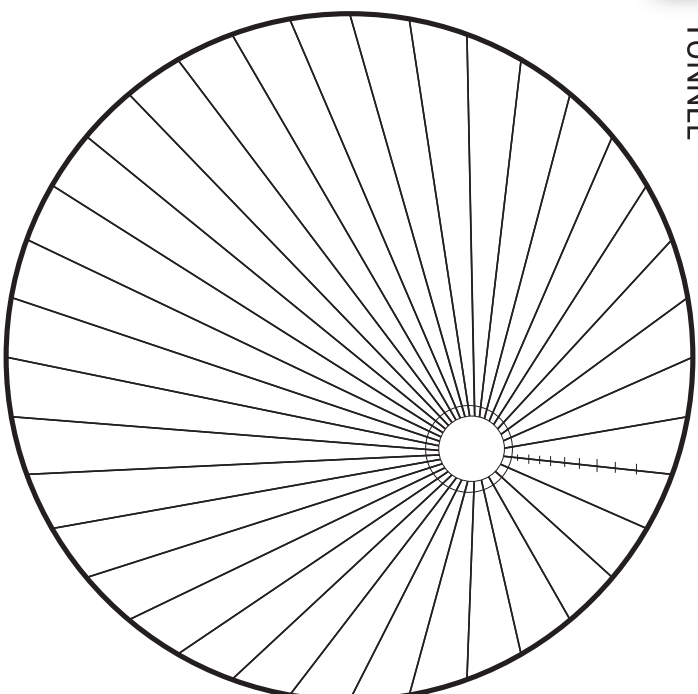
BENT PAPER



CREASE

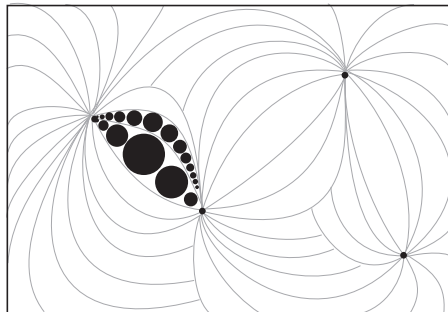
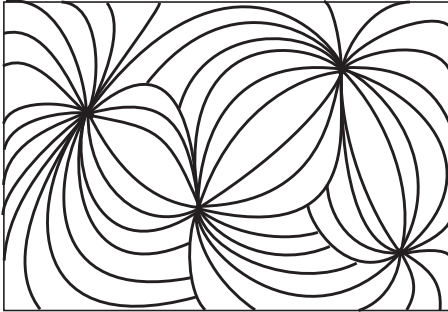
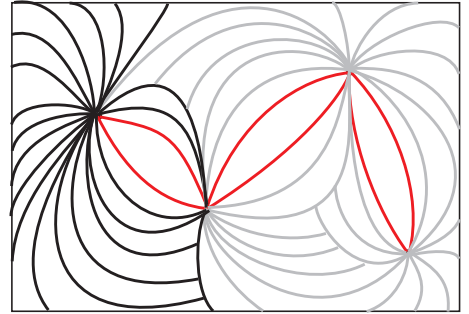
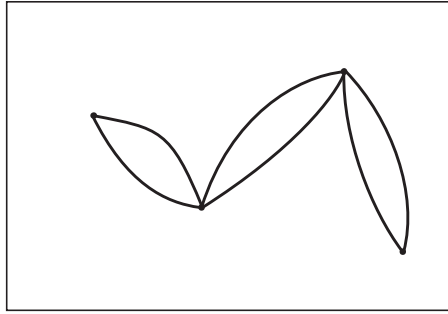
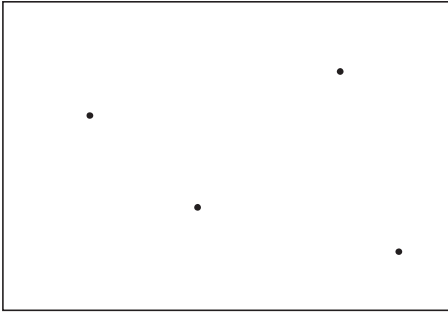


TUNNEL



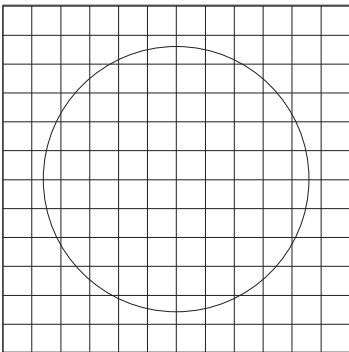
curve distortions

Practice on the next page

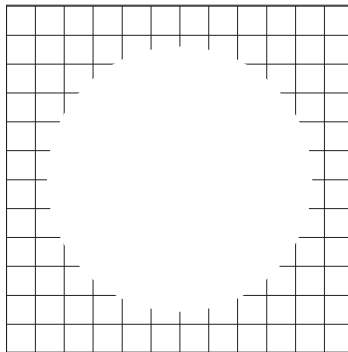


stretching grids

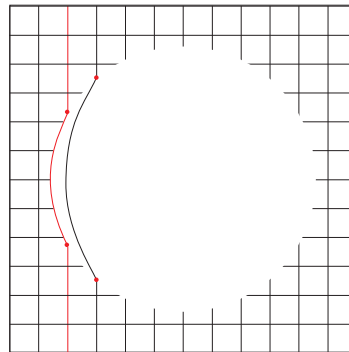
Practice on the next page



After drawing a flat grid - draw a shape, that you want to "pop" from the surface. In this case - it's a circle.



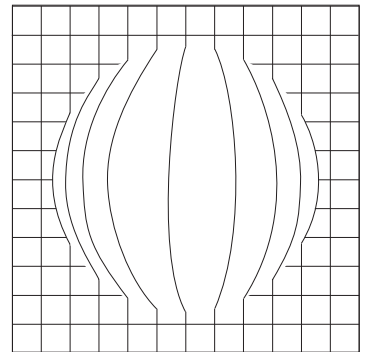
Erase the grid inside the shape. Erase the outline of the shape itself.



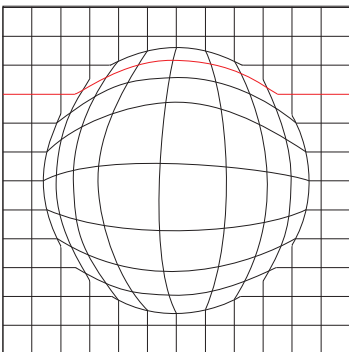
Now connect the broken vertical lines with a curve segment. Make the left segments curve to the left, the right segments - curve to the right.

Important:

As you add a curve segment - make sure it "flows" into the SAME line. It helps to mark the start and the finish of a curve.



Complete all vertical lines. Double-check that the lines are continuous. Then - complete horizontal lines.



Curve upper segments upward;
Curve the lower segments downward.

